

Work Order ID 148249

Tuesday, June 28, 2016 8:57:41 AM

148249

Page 1

Item ID: 647.3704

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/27/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
647.3700	NC3	DAS 6 9-89		JUL 26 2016				DAS 21 9-89	1607-26

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP 647.3704

DAS

27

9-89

SEP 14 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

①

PC

28

9-89

JUL 28 2016

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS

27

9-89

SEP 14 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____	
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified	☐	Past Due	☐				

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[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					

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Work Order ID: 148249

148249

Parent Item: 647.3704

647 3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM
REV:B 15.01.26 as per ecr 14-214 DD VERF:JLM
PER REV NC3 15.03.18 JLM VERIFIED BY:DD
IPP
IPP REV:C AS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
601.3082 <i>CR3212-4-2</i> *601 3082* RIVET DAS 27 9-89		Purchased	No				Each	0.0000	**	⑥ X 2130388			Pc 28 9-89
647.3903 *647 3903* Deflector Assembly		Manufactured	No				Each	4.0000	**	1			Pc 28 9-89
					<u>Location</u> cck024 147126			<u>Loc Qty</u> 4 4		<u>Loc Code</u>			
647.3802 *647 3802* 212 Upper Cutter Assy DAS 27 9-89		Manufactured	No			110	Each	12.0000	**	1			Pc 28 9-89
					<u>Location</u> cck030 124717 124723			<u>Loc Qty</u> 12 11 1		<u>Loc Code</u>			
647.3804 *647 3804* Lower Cutter Assy High DAS 27 9-89		Manufactured	No			110	Each	1.0000	**	1			Pc 28 9-89
					<u>Location</u> CCK027 147334			<u>Loc Qty</u> 1 1		<u>Loc Code</u>			

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

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Work Order ID: 148249

148249

Parent Item: 647.3704

647 3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

647.4410

Manufactured No

110

Each

11.0000

1

1

647 4410

Rail

**

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK081

11

120986

11

647.4010

Manufactured No

110

Each

15.0000

1

1

647 4010

Wiper Deflector RH

**

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck87

15

120740

15

647.4011

Manufactured No

110

Each

14.0000

1

1

647 4011

Wiper Deflector LH

**

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck78

14

120741

14

647.4110

Manufactured No

110

Each

11.0000

1

1

647 4110

Doubler

**

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK080

11

120987

11

647.4111

Manufactured No

110

Each

12.0000

1

1

647 4111

Doubler

**

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck111

12

120743

12

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
				Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
				Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
				Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
				Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
				Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
				Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
				Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
				OTHER : _____			

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Work Order ID: 148249

148249

Parent Item: 647.3704

647 3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

647.4112 Manufactured No

110 Each 0.0000 1 1

647 4112

Clip

**

145327

DAS
6
9-89 28
9-89

647.4113 Manufactured No

110 Each 0.0000 1 1

647 4113

Clip

**

145480

DAS
6
9-89 28
9-89

647.4114 Manufactured No

110 Each 29.0000 2 2

647 4114

Shim

**

PC 9/07 9/1 9/89

Location

Loc Qty

Loc Code

CCK112

29

120635

1

120746

28

647.4115 Manufactured No

110 Each 14.0000 2 2

647 4115

Shim

**

PC

Location

Loc Qty

Loc Code

CCK112

14

120747

14

647.4116 Manufactured No

110 Each 16.0000 1 1

647 4116

Shim

**

PC

Location

Loc Qty

Loc Code

CCK112

16

121064

16

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Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By _____		
							Lead hand / Supervisor Approval Verification _____		
							QC / QA Coordinator Approval _____		

Root Cause				FAULT CATEGORY																																																											
☐ Environment	☐ Design	☐ Doc/Data	☐ Equip/Tooling	☐ Handling/Pre	☐ Material	☐ Internal Transport	☐ Tribal Knowledge	☐ LOA	☐ Substation	☐ Past Expiry Date	☐ Misidentified	☐ No Re-verification	☐ Operator	☐ Offset/Setup	☐ Supplier	☐ Training	☐ Use for Testing	☐ Poor Information	☐ Rushing	☐ Product Improvement	☐ Process Improvement	☐ Manufacturing Process	☐ Past Due	☐ Pressure/Forced	☐ Bending	☐ Centre Not Concentric	☐ Cracks	☐ Crimp/Kink/Ripple/Wave	☐ Cuffs	☐ Crushing	☐ Heat Treat	☐ Wave/Twist in Tube	☐ Marks/Chatter	☐ Temperature/Cure	☐ Set-up	☐ BOM/Route	☐ Broken/Damage/Defect	☐ Inspection Incomplete/Unqualified	☐ Contamination	☐ Countersink	☐ Cut Too Short	☐ Instructions Incomplete/Unclear	☐ Drill Holes	☐ Power Loss/Surge	☐ Folio/Program	☐ Grain	☐ Weld	☐ Wrong Stock Pulled	☐ Out of Sequence	☐ Off-set	☐ Mislabeled	☐ Fit/Function	☐ Misaligned/off center	☐ Positioned Wrong	☐ Outside Dimensions	☐ Over/Under tolerance	☐ Part Incorrect	☐ Part Lost/Missing	☐ Part Moved	☐ Drawing	☐ Finish	☐ Misread	☐ Turning Sequence
																								OTHER : _____																																							

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Work Order ID: 148249

148249

Parent Item: 647.3704

647 3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

647.4210 Manufactured No

110 Each 11.0000 1 1

647 4210

Bracket LH

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK112

11

120749

1

121086

10

647.4211 Manufactured No

110 Each 11.0000 1 1

647 4211

Bracket RH

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK112

11

121134

11

647.4212 Manufactured No

110 Each 4.0000 1 1

647 4212

Plate

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK112

4

m129702

4

647.4311 Manufactured No

110 Each 0.0000 1 1

647 4311

RH Lower Strut

**

125

AUG 26 2016

126397

DAS 28
6 9-89

647.4310 Manufactured No

110 Each 14.0000 1 1

647 4310

LH Lower Strut

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck066

14

126395

14

JUL 28 2016

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DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

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Work Order ID: 148249

148249

Parent Item: 647.3704

647.3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

647.4312 Manufactured No

110 Each 8.0000 1 1

647.4312

LH Upper Strut

**

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK67

8

147045

8

647.4313 Manufactured No

110 Each 8.0000 1 1

647.4313

RH Upper Strut

**

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck068

8

147046

8

NAS1149FN832P Purchased No

110 Each 3,303.000 34 34

NAS1149FN832P

Washer

**

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

397

M133316

16

M133769

381

ST260a

2800

M134257

1200

M135058

1600

ST263

106

M133709

106

34

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval				
Description Work Order Deviation				Disposition							
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due		☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter		FAULT CATEGORY ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes		☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center		☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence	
☐ OTHER : _____											

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Work Order ID: 148249

148249

Parent Item: 647.3704

647 3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

3,179.000

157

157

NAS1149F0332P

Washer

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

312

m133709

312

ST262

2867

m134257

37

m134676

830

m135058

2000

157

MS27039-1-07

Purchased

No

110

Each

345.0000

12

12

MS27039-1-07

Screw

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

270

125654

270

Return2016

1

m127813

1

ST281

74

m135015

74

12

MS27039-1-10

Purchased

No

110

Each

294.0000

42

42

MS27039-1-10

SCREW

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

14

m129541

14

ST280

239

m134676

239

mBS603

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42

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 148249

148249

Parent Item: 647.3704

647.3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-08

Purchased

No

110

Each

402.0000

16

16

MS27039-08-08

Screw

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

8

m130113

8

over006

200

m130325

200

ST278

182

m130113

175

m134142

7

ST282

12

m129541

12

MS27039-1-09

Purchased

No

110

Each

285.0000

14

14

MS27039-1-09

Screw

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

34

18057

34

GA

36

124859

36

ST280

215

m134167

15

m135056

200

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date: _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 148249

148249

Parent Item: 647.3704

647 3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-11

Purchased

No

110

Each

446.0000

2

2

MS27039-08-11

SCREW

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

300

m134676

300

ST278

146

m133769

146

2

MS24694-S49

Purchased

No

110

Each

218.0000

1

1

MS24694-S49

Screw

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST284

218

m129499

100

m129702

118

1

MS24694-C53

Purchased

No

110

Each

48.0000

8

8

MS24694-C53

Screw

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST285

48

m129702

48

1

601.3073

Purchased

No

110

Each

3.0000

1

1

601 3073

Connector

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK099

3

M134739

3

1

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By _____					
				Lead hand / Supervisor Approval Verification _____					
				QC / QA Coordinator Approval _____					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 148249

148249

Parent Item: 647.3704

647.3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-4A Purchased No

110 Each 340.0000 3 3

AN3-4A

Bolt

**

PC 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST350

340

m134955

340

3

AN3-11A Purchased No

110 Each 133.0000 8 8

AN3-11A

Bolt

**

PC 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

m134852

100

ST349

33

m134167

33

8

AN3C10A Purchased No

110 Each 20.0000 2 2

AN3C10A

Bolt

**

PC 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST349

20

m135056

20

2

CR3212-4-2 Purchased No

110 Each 85.0000 5 5

CR3212-4-2

Cherry Rivet

**

PC 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST320

85

M130388

85

5

CR3212-4-3 Purchased No

110 Each 0.0000 17 17

CR3212-4-3

Cherry Rivet

**

5 17 x m119017 PC 28 9-89

DAS
27
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : <u>24</u>	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					

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Work Order ID: 148249

148249

Parent Item: 647.3704

647 3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

CR3212-4-4 CR3212-4-04 Purchased No

110 Each 0.0000 7

CR3212-4-4

CHERRY RIVET

**

⑦ M134943 PC 28 9-89

CCR264SS3-04 Purchased No

110 Each 427.0000 12 12

CCR264SS3-04

Rivet

**

PC 28 9-89

Location

Loc Qty

Loc Code

ST321

427

123785

400

m129702

27

CCR264SS-3-03 Purchased No

110 Each 99.0000 16 16

CCR264SS-3-03

Rivet

**

⑩ X M135127 PC 28 9-89

Location

Loc Qty

Loc Code

LG001

99

m128606

29

m134023

70

CR3213-4-2 Purchased No

110 Each 279.0000 31 31

CR3213-4-2

Cherry Rivet

**

PC 28 9-89

Location

Loc Qty

Loc Code

CCK003

100

m134058

100

ST320

179

123301

179

CR3213-4-3 Purchased No

110 Each 144.0000 24 24

CR3213-4-3

Rivet, Cherry

**

PC 28 9-89

Location

Loc Qty

Loc Code

ST319

144

m131340

144

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24

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

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Work Order ID: 148249

148249

Parent Item: 647.3704

647 3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-4 Purchased No

110 Each 177.0000 16 16

CR3213-4-4

Rivet, Cherry

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST319

177

M130388

35

M134962

142

CR3213-4-5 Purchased No

110 Each 225.0000 28 28

CR3213-4-5

Rivet

**

20X M135135
8X 135056

PC 28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK003

100

M129913

100

ST319

125

M129913

125

CR3213-4-8 Purchased No

110 Each 92.0000 4 4

CR3213-4-8

Rivet

**

PC

28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST319

92

123785

92

MS21042-3 MS21042L3 Purchased No

110 Each 0.0000 79 79

MS21042-3

Nut / use MS21042L3

**

72X M134943
14X M135056

PC 28
9-89

DAS
27
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 148249

148249

Parent Item: 647.3704

647.3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042-08 MS21042L08 Purchased No

110 Each 33.0000 18

MS21042-08

USE MS21042L08

**

18
X M134982 PC 28
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

MS21047L06 Purchased No

110 Each 28.0000 6

MS21047L06

Nut Plate

**

PC 28
9-89

Location

Loc Qty

Loc Code

ST303

28

m131340

28

MS21047L08 Purchased No

110 Each 21.0000 6

MS21047L08

Nut Plate

**

PC 28
9-89
M135546

Location

Loc Qty

Loc Code

ST301

21

m129702

21

MS21047-3 Purchased No

110 Each 169.0000 4

MS21047-3

Nut Plate

**

PC 28
9-89
4

Location

Loc Qty

Loc Code

over005

100

m134955

100

ST301

69

m134166

59

m134676

10

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																																																									
Description Work Order Deviation				Disposition																																																													
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Tuesday, June 28, 2016 8:57:40 AM

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Work Order ID: 148249

148249

Parent Item: 647.3704

647.3704

Parent Item Name: 204,205,212,214 Cable Cutter System, High

Start Date: 6/15/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS21071L3 Purchased No

110 Each 144.0000 4 4

MS21071L3

ANCHOR NUT

**

PC 28 9-89

Location

Loc Qty

Loc Code

S299

100

125654

100

ST299

44

m129702

44

601.3083 Manufactured No

110 Each 4.0000 1 1

601.3083

Adhesive Rubber Seal

**

PC 28 9-89

Location

Loc Qty

Loc Code

cck009

4

m134349

4

601.1012 Purchased No

110 Each 0.0000 1 1

601.1012

Sealant (One 6 oz)

**

PC 28 9-89

601.2045 Purchased No

110 Each 9.0000 1 1

601.2045

RTV (LOCTITE 598)McMaster p/n: 6641A41

**

PC 28 9-89

Location

Loc Qty

Loc Code

CCK096

1

m133588

1

GA

8

m134260

8

JUL 28 2016

Tuesday, June 28, 2016 8:57:40 AM

Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

REFERENCE ONLY

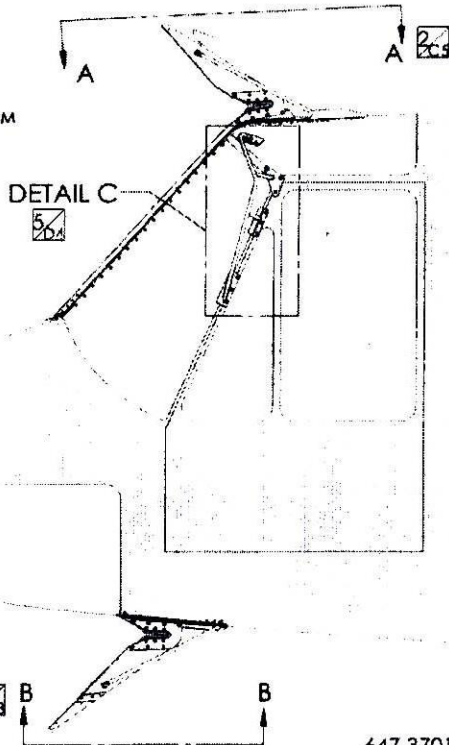
UNINCORPORATED ECN(S)

01228, 04845, 040801

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NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
- 2 IF REQD, USE F/N 32 TO CONNECT CO-AXIAL CABLE.
- 3 VENDOR: ONLINECOMPONENTS.COM
- 4 AT CUSTOMERS OPTION, INSTALL F/N 56 BY MATCH DRILLING ONTO F/N 1 OR F/N 2.
- 5 APPLY F/N 55 TO FAYING SURFACES.
- 6 VENDOR: MCMMASTER-CARR
VENDOR P/N: 86715K27
60A DIUMETER



REF	REF	REF	REF	56	647.3701	GPS MOUNT KIT	
A/R	A/R	A/R	A/R	55	601.2045	RTV	104718 508
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	PR-1215
1	1	1	1	53	601.3083	ADHESIVE RUBBER SEAL	MM R-3005
4	4	4	4	52	601.2957	NUTPLATE	MS2107113
4	4	4	4	51	600.0795	NUTPLATE	MS210473
6	6	6	6	50	601.3066	NUTPLATE	MS2104108
6	6	6	6	49	601.3065	NUTPLATE	MS2104105
18	18	18	18	48	601.2973	LOCKNUT	MS2104291
79	79	79	79	47	601.2943	LOCKNUT	MS210413
4	4	4	4	46	601.2364	CHERRY RIVET	CR3212 4-8
28	28	42	42	45	601.1183	CHERRY RIVET	CR3212 4-5
16	16	19	19	44	601.1915	CHERRY RIVET	CR3212 4-4
24	24	32	32	43	601.0790	CHERRY RIVET	CR3212 4-3
31	31	13	13	42	601.1039	CHERRY RIVET	CR3212 4-2
3704	3701	3702	3701	F/N 1			
				PART #	DESCRIPTION	MATL	SPEC.

16	16	16	16	4	601.2207	NUTPLATE RIVET	CR3212 4-4
12	12	12	12	40	601.2491	NUTPLATE RIVET	CR3212 4-4
7	7	4	4	39	601.1066	CHERRY RIVET	CR3212 4-4
17	17	17	17	38	601.1065	CHERRY RIVET	CR3212 4-5
5	5	6	6	37	601.1604	CHERRY RIVET	CR3212 4-2
6	6	6	6	36	601.3082	CHERRY RIVET	CR3212 4-1
2	2	2	2	35	601.1874	BOLT	AN3-13A
8	8	8	8	34	601.2826	BOLT	AN3-11A
3	3	3	3	33	601.2823	BOLT	AN3-8P
1	1	1	1	32	601.3073	CONNECTOR	MS246465
8	8	8	8	31	601.2819	SCREW	MS246465
1	1	1	1	30	601.3070	SCREW	MS246465
2	2	2	2	29	601.2893	SCREW	MS246465
14	14	14	14	28	601.3069	SCREW	MS246465
16	16	16	16	27	601.2263	SCREW	MS246465
42	42	42	42	26	601.1365	SCREW	MS246465
12	12	12	12	25	601.2198	SCREW	MS246465
157	157	157	157	24	601.1607	WASHER	MS246465
34	34	34	34	23	601.2764	WASHER	MS246465
1	1	1	1	22	647.4313	RH UPPER STRUT	
1	1	1	1	21	647.4312	LH UPPER STRUT	
1	1	1	1	20	647.4310	LH LOWER STRUT	
1	1	1	1	19	647.4311	RH LOWER STRUT	
1	1	1	1	18	647.4212	PLATE	
1	1	1	1	17	647.4211	BRACKET RH	
1	1	1	1	16	647.4210	BRACKET LH	
1	1	1	1	15	647.4116	SHIM	
2	2	2	2	14	647.4115	SHIM	
2	2	2	2	13	647.4114	SHIM	
1	1	1	1	12	647.4113	CUP	
1	1	1	1	11	647.4112	CLIP	
1	1	1	1	10	647.4111	DOUBLER	
1	1	1	1	9	647.4110	DOUBLER	
1	1	1	1	8	647.4011	WIPER DEFLECTOR LH	
1	1	1	1	7	647.4010	WIPER DEFLECTOR RH	
1	1	1	1	6	647.3915	DEFLECTOR	
1	1	1	1	5	647.4410	RAIL	
1	1	1	1	4	647.3804	LOWER CUTTER ASSY HIGH	
1	1	1	1	3	647.3803	LOWER CUTTER ASSY LOW	
1	1	1	1	2	647.3802	212 UPPER CUTTER ASSY	
1	1	1	1	1	647.3801	412 UPPER CUTTER ASSY	
647.3704	204	205	212		647.3704	204, 205, 212 CABLE CUTTERS KIT HIGH	
647.3703	204	205	212		647.3703	204, 205, 212 CABLE CUTTERS KIT LOW	
647.3702	412				647.3702	412 CABLE CUTTERS KIT HIGH	
647.3701	412				647.3701	412 CABLE CUTTERS KIT LOW	
					PART #	DESCRIPTION	MATL SPEC.

QTY

TEXT ASSY (S)

APICAL INDUSTRIES

2605 TEMPLE HEIGHTS DR.

OCEANSIDE, CA 92056-3512 (760)724-5300

412 CABLE CUTTERS KIT

SCALE: NONE

SHEET 1 OF 1

REFERENCE ONLY



TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

04881

SHEET 1 OF 1

DWG NO. 647.3700

REV: N/C

PREPARED BY J. BECKER

DATE: 02/26/15

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: 412 CABLE CUTTERS KIT

APPROVED BY:

ENGR

MFG

QC

EFF.

NEXT ORDER

REASON: DELETED F/N 57, REVISED F/N 6.

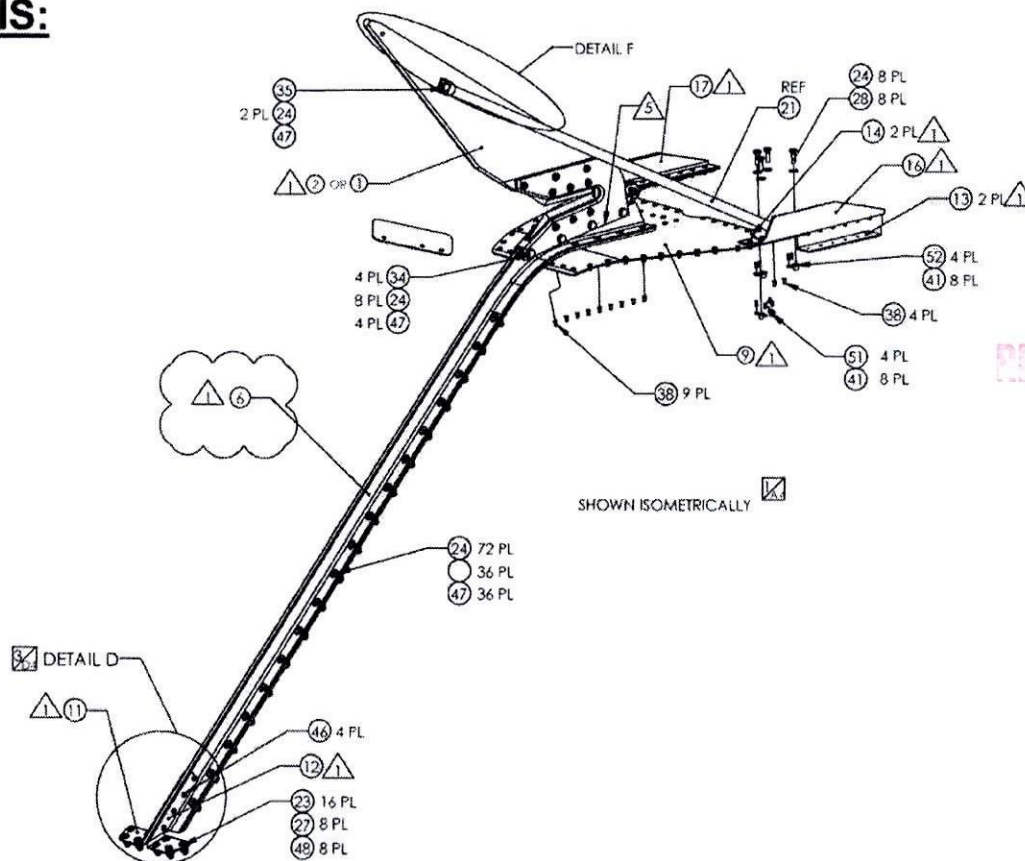
ECR:	
------	--

N/A

ACTION ITEM:

1.

SHEET 1, ZONE C5 IS:



REFERENCE ONLY

57	D	647.3916	1	1	1	1	DEFLECTOR UPPER HALF				
6	R	647.3903	1	1	1	1	DEFLECTOR ASSEMBLY				
F/N	TC	PART NUMBER	3704	3703	3702	3701	DESCRIPTION			MATERIAL	SPECIFICATION
			QTY								
DOCUMENTS EFFECTED:							CHANGE CATEGORY			DER REVIEW REQUIRED	
☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM							☐ MAJOR ☒ MINOR			☐ YES ☒ NO	